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Patent Number(s):

JP62059290-A

## Title:

Iso-raffinose with Bifidus activity - useful as component for sweetener

## Patent Assignee Name(s) and Code(s):

ZH RYOSHOKU KENKYUK (RYOS-Non-standard)

## Derwent Primary Accession Number:

1987-112994 [16]

## Abstract:

Isoraffinose comprises O-beta-D-glacto pyranosyl- (1-6)-O-alpha-D-glucopyranosyl -(1-2)-beta-D-fructo furanoside. Beta galactosidase is reacted with a mixt. of O-nitrophenyl- beta-D-galacto pyranoside and sucrose, to produce isorafinose. Alternatively beta-galactosidase is reacted with a mixt of lactose and sucrose.

**USE/ADVANTAGE** - Isoraffinose has Bifidus activity and low cariostasis. It can be used for sweeteners. It can be synthesised from naturally abundant sucrose and lactose.

## International Patent Classification:

C07H-003/06; C12P-019/00; C12R-001/66

## Derwent Class:

B03 (Other heterocyclics); D13 (Other foodstuffs and treatment); D16 (Fermentation industry); E13 (Heterocyclics)

## Derwent Manual Code(s):

B07-A02; B12-J01; D03-H01A; E07-A02D; E07-A02H

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JP62059290-A JP197533 09 Sep 1985

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